

# JENNIFER LAM

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## Education

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**Princeton University** *Sep. 2020 - Present*

*Ph.D. Candidate in the Dept. of Computer Science*

Research Interests: Distributed Systems, Consistency Models, Correctness.

Advisors: Wyatt Lloyd, Haonan Lu.

**Princeton University** *Sep. 2018 – Jun. 2020*

*M.S.E. Computer Science*

GPA: 4.0

Thesis: *Towards Exploiting Skew in High Throughput Distributed Databases.*

**Columbia University** *Sep. 2012 – May 2016*

*B.S. Computer Science*

GPA: 3.7, Systems Track.

## Publications

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**Jennifer Lam**, Jeffrey Helt, Wyatt Lloyd, Haonan Lu. *Accelerating Skewed Workloads with Performance Multipliers in the TurboDB Distributed Database.* **NSDI 2024.**

**Jennifer Lam**, Jeffrey Helt, Haonan Lu, Wyatt Lloyd. *Targeting Skewed Workloads with the Smelter Distributed Database.* **OSDI 2023 Poster Session.**

**Jennifer Lam**, Haonan Lu, Zachary Kincaid, Wyatt Lloyd. *Unearthing Correctness Violations in Distributed Protocols with Turnpike.* Ongoing.

## Talks

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**Accelerating Skewed Workloads with Performance Multipliers in the TurboDB Distributed Database**

USENIX NSDI, Santa Clara, CA

*April 2024*

University at Buffalo Systems Lunch (virtual)

*March 2024*

Princeton University Systems Lunch, Princeton, NJ

*March 2024*

[Poster] USENIX OSDI, Boston, MA

*June 2023*

## Awards

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Princeton University SEAS Travel Grant

*April 2024*

NSDI 2024 Student Grant

*April 2024*

OSDI 2023 Student Grant

*Jun. 2023*

Columbia University Jee Yin Au Scholar

*Sep. 2012 – May 2016*

## Service

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- OSDI 2024 External Reviewer
- ATC 2024 External Review Committee (ERC)
- EuroSys 2024 Shadow Program Committee
- OSDI 2023 External Reviewer

- OSDI 2021 External Reviewer
- Princeton Systems Lunch Seminars Coordinator (*Fall 2021*)
- Princeton Women in STEM Flagship Networking Event Coordinator (*Fall 2020*)

## Professional Industry Experience

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**Meta (Facebook)** *Jun. 2019 – Aug. 2019*

*Intern Software Engineer*

Team: Ads Infrastructure Team. Menlo Park, CA

**Bloomberg L.P.** *Jun. 2016 – Aug. 2018*

*Full-time Software Engineer*

Team: Foreign Exchange (FX) Pricing Team. New York City, NY.

Develop and maintain pricing engines to price currencies instantaneously or over custom timeframe.

## Teaching Experience

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**Teaching Fellow**, Princeton University *Fall 2020 – Present*

*McGraw Center for Teaching and Learning*

Advise new graduate preceptors on leading engaging, effective precepts.

**Preceptor**, Princeton University *Fall 2018 – Spring 2023*

*Department of Computer Science*

- COS 418: Distributed Systems, Wyatt Lloyd (*Fall 2022, Fall 2019*)
- COS 226: Data Structures in Java (*Spring 2023*)
- COS 126: Introduction to Computer Science in Java (*Spring 2020, Spring 2019, Fall 2018*)

**Teaching Assistant**, Columbia University *Fall 2015*

Department of Computer Science

- COMS W3157: Advanced Programming in C/C++ (*Fall 2015*)

## Misc.

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- **Programming:** GoLang, C++, Python, Java, PlusCal.
- **Leadership:** Princeton Graduate Coffee House Manager (*Spring 2022 – Present*).
- **Diversity and Inclusion:** Princeton Women in STEM, Executive Board Secretary (*Fall 2020 – Fall 2021*).
- **Undergraduate Leadership:** Columbia University Splash! Program, co-founder and President (*Spring 2013 – Fall 2015*).
- **Hobbies:** Princeton Acapallago Alto Singer, Princeton Ballroom.